

Downtown and North Casper Tetrachloroethylene (PCE) Plumes Orphan Site Residential Ventilation Procedures February 2010

The following guidelines have been prepared by the Wyoming Department of Environmental Quality (DEQ) to provide you with a general understanding of the process used to install a sub slab ventilation system in your home. The system will ensure that chemical vapors from impacted soil and groundwater are prevented from entering the indoor air of your home. These are general timeframes and may be subject to change depending on the schedules of contractors hired to install the ventilation system and holidays.

- After you elect to have a ventilation system and the easement is signed by all parties involved, DEQ's ventilation contractor will call the homeowner within approximately 6 weeks. Appointments are scheduled approximately 2 to 3 weeks ahead.
- The ventilation contractor will call you to schedule a day for the inspection of the area where the system will be installed. The contractor will determine the best location to minimize visual impact and conduct a diagnostic test to determine the size of the fan and number of pipe points required to successfully operate the system.
- The contractor will return at an agreed-upon date to install the system. The installation should only take 1 day.
- The system is installed under the home in the basement or crawl space. A pipe is routed outside to vent the vapors. The pipe can be painted to match the home. In a finished basement, the contractor will work to conceal the system.
- At the time of installation, the contractor will seal any major cracks and openings in the foundation floors and walls, and then will install the system.
- Electrical hardwiring is conducted either at the same time, if possible, or within approximately 2 to 3 weeks after installation.
- The ventilation contractor will schedule an inspection with the local Building Department.
- A Building Department representative will inspect the system after installation and hardwiring are complete. At that time the system is turned on and tested.
- You (the homeowner) will receive a utility (for electricity) reimbursement check approximately two months after system installation for 2 years of electricity to operate the system. DEQ will pay to run the system for as long as it is needed.
- DEQ will be responsible for repairs to, or replacement of, defective fans until the system is no longer needed, or as long as funding for the Orphan Site Remediation Program is available.
- Homeowners must accept the installation of a ventilation system within 6 months of the time it is offered by DEQ.

For More Information:

Wyoming Department of Environmental Quality:

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